

Streetscape[®] Rapid-Set Jointing Mortar

A superior quality rapid-set jointing mortar, manufactured under an ISO 9001 quality controlled environment; using dried sands, lime, cement and additives specially designed to meet or exceed the requirements of BS 7533 parts 7 & 12. The product is ideal for jointing of natural stone setts and cobbles, flags, concrete and clay pavers in a rigid, bonded construction.

- Complies with BS 7533 parts 7 & 12
- Rapid Setting – Initial set in 15 minutes
- Shrinkage compensated
- Light foot traffic within 1 hour
- Frost Resistant
- Consistently high quality
- Long term durability

Working Instructions

Rapid-Set Jointing Mortar should only be used in bonded rigid constructions. The product should not be used in temperatures below 3°C in a falling temperature or below 1°C on a rising thermometer. The surface of the substrate should not be frozen or >30°C before bedding commences. Movement joints will be required in rigid/bonded constructions and should be designed and marked by the design team.

Substrate

The substrate, including sub-base and road base should meet the requirements of the relevant part of BS7533 dependent on type of use.

Preparation

All paving stones should be clean and thoroughly sound, free from oils, grease, dust, loose particles or any other contaminants which may interfere with adhesion. Paving stones should be wet before jointing starts in order to prevent staining ensuring to remove any ponded water from the surface.

Mixing

RSJM should be mixed in a suitable site mixer or with a paddle drill, with approximately 4.25 litres of clean potable water (per 25kg bag of material) for 3 minutes to reach a lump free flowing consistent slurry. DO NOT remix or add additional water to the mix at a later stage. Only mix enough material which can be placed within 10 mins.



Application

Pour the jointing mortar onto the pre-wetted pavement and chase into the joints using a squeegee. Ensure joints are full to the surface allowing for settlement. The surface of the pavement must be kept moist during the curing process. Sweep off any excess material with the squeegee when joints are full. When the joint has sufficiently hardened, to prevent washout, the cleaning process can begin. This can be as soon as 15 minutes depending on ambient temperature. Timing and experience is crucial to ensure no staining occurs. A constant flow of water in conjunction with a diagonal sweeping by squeegee action will remove the excess mortar from the paving surface. Depending on the stone surface, further cleaning by pressure washer may be required. For best results a specifically designed belt cleaner can also be used. Inspect the paving surface to ensure all excess mortar is removed. N.B. full training will be provided on site by SMET personnel in order to achieve best results using this product.

Approximate Yield

Paving Flag	25kg Yield (m ²)	Paving Block	25kg Yield (m ²)
400x400x40	7.1	100x100x60	2.4
400x400x50	5.8	100x100x80	1.8
400x400x60	4.8	200x100x60	1.7
450x450x40	8.1	200x100x80	1.3
450x450x50	6.4	200x200x60	1.3
450x450x60	5.4	200x200x80	1.0
600x300x50	5.8	240x160x60	2.5
600x300x60	4.8	240x160x80	1.9
600x600x50	8.6	200x300x60	2.9
600x600x60	7.1	200x300x80	2.2

PRECAUTIONS: Wash all tools and equipment frequently to avoid staining. Ensure correct procedures are followed to avoid product staining. Placement time and ambient temperatures, at the time of placement, are factors to be considered to ensure no staining occurs. Only mix enough material which can be placed in 10 mins. Once the material has stiffened (initial set), clean the paving units and their surrounding area thoroughly.

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Storage

Bulk bags and packed products must be stored clear of the ground in cool, dry conditions and protected from wind, rain and external physical damage. Packed products must be stored in original unopened bags.

Disposal Considerations

Waste treatment methods: Alternative uses should be sought for any surplus mortar. Mortar waste should be disposed of in accordance with local authority guidance/regulations. Avoid entry of mortar waste into sewage or drainage systems or bodies of water, e.g. streams and rivers.

Safety

Classification according to Regulation (EC) No 1272/2008 CLP. Hazard pictograms: GHS05 corrosion. Signal Word: Danger. Hazard-determining components of labelling: Contains Portland Cement. All standard precautions for the handling of construction materials/chemicals must be taken. Get medical advice / attention IF YOU FEEL UNWELL. See Kilsaran Health and Safety Data Sheet for further detailed information.

Hazard Statements

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.

Precautionary Statements

P102: Keep out of reach of children.
P202: Do not use until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapours/spray
P262: Do not get in eyes, on skin or on clothing.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical advice / attention.
P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs get medical advice / attention.
P362: Take off contaminated clothing
P363: Wash contaminated clothing before reuse
P403+P233 Store in well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501 Disposal: Allow to harden and dispose of as concrete waste.

Technical Information

Streetscape®: Rapid-Set Jointing Mortar	
Compressive Strength (28 days) (BS EN 1015-11)	> 53 N/mm ²
Adhesion Strength (BS EN 1015-12)	> 1.5 N/mm ²
Flexural Strength (28 days) (BS EN 1015-11)	> 9.0 N/mm ²
Modulus Of Elasticity (DIN 18555-6)	20,000 N/mm ²
Density (BS EN 1015-11)	2060 kg/m ³
Shrinkage (BS EN 445)	< 0.10%
Use (External Use)	Yes
Use (Internal Use)	Yes
Yield per 25kg (dry material)	see table opposite
Initial Set	15 min
Final Set	60 min
Pot life	Maximum 10 minutes (depending on ambient conditions)
Colour	Standard Grey
Packaging	25kg Bags



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